

REMARKS

Claims 1-6, 9 and 10 are pending in this application. Applicant appreciates the indication that claims 9 and 10 contain allowable subject matter. By this Amendment, claims 9 and 10 are amended to incorporate claims 7 and 8, and claims 7 and 8 are canceled. Also, the Specification and the Abstract have been amended for grammatical errors. No new matter has been added.

I. Objections to the Abstract and Specification

The Office Action objects to the Abstract for the use of the word "comprises," and objects to the Specification for spelling errors. The corrections have been made, and Applicant respectfully requests withdrawal of the objections.

II. Objection to Claims 7-10

The Office Action objected to claim 7 as failing to have antecedent basis for the limitation "the white-light reconstruction holographic recording layer region." Claims 7 and 8 have been cancelled, and claims 9 and 10 have been amended to overcome the objection. Applicant respectfully requests withdrawal of the objections.

III. 35 U.S.C. §103 Rejection

The Office Action rejects claims 1-6 under 35 U.S.C. §103(a) as being unpatentable over Kita et al. (JP06-274084A; "Kita") in view of Pu et al. (U.S. Patent No. 5,483,365; "Pu") and in further view of Smith (U.S. Patent No. 4,179,182). This rejection is respectfully traversed.

Regarding claim 1, the Office Action acknowledges that Kita fails to teach that a white light reconstruction holographic recording layer region has a thickness of 2 μm to 80 μm , and the Fourier holographic recording region has a thickness of 100 μm to 2 mm. However, the Office Action asserts that Smith and Pu disclose thicknesses of a white light reconstruction holographic recording layer region and the Fourier holographic recording

region. Official Notice is taken that it is common knowledge that a white light reconstruction holographic recording layer region has a thickness of 2 μm to 80 μm , and that a Fourier holographic recording region has a thickness of 100 μm to 2 mm. Applicant respectfully disagrees.

The Office Action fails to provide any support such as reasons and/or documents supporting the Official Notice that it is common knowledge that a white light reconstruction holographic recording layer region has a thickness of 2 μm to 80 μm , and that a Fourier holographic recording region has a thickness of 100 μm to 2 mm. Applicant requests that support to the Official Notice be provided.

Further, nowhere in the references and/or Official Notice is it established that one of ordinary skill in the art would have had any reason to try and combine a thicker Fourier holographic recording layer region with a thinner white-light reconstruction holograph recording layer region. Also, the Office Action fails to establish that the references disclose that the white light reconstruction holographic recording layer region and the Fourier holographic recording layer region have different thicknesses. Thus, the Office Action fails to establish that any of Smith, Pu and Official Notice cures the deficiencies in Kita.

The difference between the thicknesses of the white-light reconstruction holograph recording layer region and the Fourier holographic recording layer region is critical in the subject matter recited in the claims. A thickness between 100 μm and 2 cm is critical since this allows for recording data in multiplexed form (*see page 7 of Specification*). The thickness of the white-light reconstruction holograph recording layer region is between 2 μm and 80 μm , so that the hologram will not be difficult to see and will prevent impairment to recording (*see page 7 of Specification*). Neither Kita, Smith, Pu or Official Notice recognize the criticality of a thicker Fourier holographic recording region together with a thinner white light reconstruction holographic recording layer region.

Therefore, Kita, Smith, Pu and Official Notice, either alone or collectively, fail to teach or suggest the features of claim 1. Therefore, claim 1 is allowable. The dependent claims are likewise patentable over the applied references for at least the reasons discussed above in connection with claim 1 as well as for the additional features they recite. Applicant respectfully requests that the 35 U.S.C. §103(a) rejection of claims 1-6 be withdrawn.

IV. Objections to Claims 9 and 10

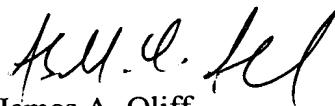
The Examiner objects to claims 9 and 10 because they were dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Claims 9 and 10 have been rewritten in independent form. It is respectfully submitted that claims 9 and 10 should be allowed.

V. Conclusion

It is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1-6, 9 and 10 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact Applicants' undersigned representative at the telephone number listed below.

Respectfully submitted,


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Attachment:
Abstract

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